Sheet <u>1</u> of <u>4</u>

FORM PTO-1449

Y. DOCKET NO. I-2-91.6US

SERIAL NO. 09/757,768

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

APPLICANT Lomp et al.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

FILING DATE January 10, 2001

GROUP Not Yet Known 9

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

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EXAMINER INITIAL			D	OCUN	MENT I	NUMB	ER		DATE	NAME	CLASS	sив Дру	FILING DATE IF
MN	AA*	4	9	0	1	3	0	7	2/90	Gilhousen et al.	370	320 MAY	PPROPRIATE EVEL
mx	AB*	5	0	2	2	0	4	9	6/91	Abrahamson et al.	375 Tec/	130	7 8 2001 Center 2600
Ka	AC*	5	0	8	4	9	0	0	1/92	Taylor	370	5200	enter 2000
MN	AD*	5	0	9	3	8	4	0	3/92	Schilling	375	136	-000
MM	AE*	5	1	0	3	4	5	9	4/92	Gilhousen et al.	370	206	
KN	AF*	5	1	0	9	3	9	0	4/92	Gilhousen et al.	370	335	
MN	AG*	5	1	6	6	9	5	1	11/92	Schilling	375	145	
NN	AH*	5	1	9	3	0	9	4	3/93	Viterbi	714	795	
mn	Al*	5	2	0	4	8	7	6	4/93	Bruckert et al.	375	130	
MX	AJ*	5	2	2	4	1	2	0	6/93	Schilling	375	130	
BN	AK*	5	2	2	8	0	5	4	7/93	Rueth et al.	708	252	
MN	AL*	5	2	2	8	0	5	6	7/93	Schilling	375	144	
BN	AM*	5	2	3	7	5	8	6	8/93	Bottomley	370	206	
MN	AN*	5	2	4	1	6	9	0	8/93	Larsson et al.	455	522	
AN	AO*	5	2	4	5	6	2	9	9/93	Hall	455	522	
40	AP*	5	2	5	3	2	6	8	10/93	Omura et al.	375	150	
MN	AQ*	5	2	5	7	2	8	3	10/93	Gilhousen et al.	455	502	
MN	AR*	5	2	6	0	9	6	7	11/93	Schilling	370	342	
M	AS*	5	2	6	5	1	1	9	11/93	Gilhousen et al.	370	335	<u> </u>
Ma	AT*	5	2	6	7	2	6	2	11/93	Wheatley, III	455	522	<u> </u>
MN	AU*	5	2	8	3	5	3	6	2/94	Wheatley, III et al.	330	279	
MN	AV*	5	2	9	5	1	5	2	3/94	Gudmundson et al.	370	342	
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FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

ATTY. DOCKET NO.

SERIAL NO. 09/757,768

APPLICANT Lomp et al.

LING DATE January 10, 2001

GROUP Not Yet Known

U.S. PATENT DOCUMENTS

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MN	AW*	5	2	9	9	2	2	6	3/94	Schilling	300	UEIV	ED	<u>3</u> 7
MN	AX*	5	2	9	9	2	2	8	3/94	Hall	MA	3082	001	37
ma	AY*	5	3	0	9	4	7	4	5/94	Gilhousen et al.	echnolog	ly Cente	2600	97
BN	AZ*	5	3	2	7	4	5	5	7/94	DeGaudenzi et al.	370	207	-000	
MN	BA*	5	3	2	7	4	6	7	7/94	DeGaudenzi et al.	375	356		
MN	BB*	5	3	4	1	3	9	6	8/94	Higgins et al.	375	130		
MD	BC*	5	3	4	5	5	9	8	9/94	Dent	455	522		
MN	BD*	5	3	4	7	5	3	6	9/94	Meehan	375	148		
MN	BE*	5	3	4	9	6	0	6	9/94	Lovell et al.	375	150		
MN	BF*	5	3	6	7	5	3	3	11/94	Schilling	370	342		
MN	BG*	5	3	7	3	5	0	2	12/94	Turban	370	441		
MN	BH*	5	3	7	7	1	8	3	12/94	Dent	370	335		
MN	BI*	5	3	9	2	2	8	7	2/95	Tiedemann, Jr. et al.	370	311		
MAJ	BJ*	5	3	9	6	5	1	6	3/95	Padovani et al.	375	225		
MU	BK*	5	4	0	4	3	7	6	4/95	Dent	375	138		
MN	BL*	5	4	1	4	7	2	8	5/95	Zehavi	375	142	_	
MN	ВМ*	5	4	1	4	7	2	9	5/95	Fenton	375	149		
mr	BN*	5	4	1	6	7	9	7	5/95	Gilhousen et al.	370	209		
MN	во*	5	4	2	0	8	9	6	5/95	Schilling	370	479		
MN	BP*	5	4	3	0	7	2	4	7/95	Fall et al.	370	337		
In	BQ*	5	4	3	0	7	6	0	7/95	Dent	375	144		
Ma	BR*	5	4	4	0	5	9	7	8/95	Chung et al.	375	149		
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MN	BS*	5	4	4	2	6	6	2	8/95	Fukasawa et al.	NIA1 370	0 8 75 342	(.)	
Ma	BT*	5	4	8	8	6	2	9	1/96	Takahashi et al.	chnolog	y Center	2600	37
MR	BU*	5	5	1	9	7	3	6	5/96	Ishida	375	367		
M	BV*	5	5	5	9	7	9	0	9/96	Yano et al.	370	342		
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MK	CA*	Ε	Р	07	44	8	7	6	11/96	Europe				
MN	CB*	Ε	Ρ	04	64	83	9	A2	1/92	Europe				
MU	CC*	Ε	Р	05	26	10	6	A2	2/93	Europe				
pnr	CD*	Ε	Р	06	54	91	3	A2	5/95	Europe				
MV	CE*	Ε	Р	06	56	71	6	A1	6/95	Europe				
MN	CF*	Ε	Р	06	68	66	2	A1	8/95	Europe				
Ma	CG*	D	Ε	37	43	73	1	A1	7/89	Germany				
MN	CH*	D	Ε	37	43	73	2	A1	7/89	Germany				
MN	CI*	2	3	0	1	7	4	6	12/96	Great Britain				
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na)	CL*									(CDMA)", F che Berichte pp. 64-	(199					
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MN	CN*		5					Jou	rnal on Sele	d Call Admiss ected Areas , No. 4, 1 Ma	in Co	mmunica	tions, U			New
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Sheet _1_ of _1_

FORM PTO-1449

ATTY. DOCKET NO. I-2-0091.6US

SERIAL NO. 09/757,768

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

APPLICANT Lomp et al.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

FILING DATE January 10, 2001

GROUP 2899

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

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EXAMINER INITIAL				DOCL	JMENT I	NUMBE	R		DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
W	CP	5	3	9	6	5	3	9	03/1995	Slekys et al.	455	4261	
W	CQ	5	4	2	0	8	6	4	05/1995	Dahlin et al.	370		
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KN	CR.	0	4	6	2	5	7	2	12/1991	EP				
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OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER

DATE CONSIDERED



FORM PTO-1449

ATTY. DOCKET NO. I-2-0091.6US

SERIAL NO. 09/757,768

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

APPLICANT

Lomp et al.

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

FILING DATE August 9, 2000

GROUP

(Use several sheets if necessary)

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	•			DOCU	MENT	NUMBE	R		DATE	NAME	CLASS	SUBCLASE	FILING DATE IF
gw	СТ	4	3	2	0	5	1	3	03/1982	Lampert	370	342	
UN	CU	5	1	6	6	9	5	2	11/1992	Omurg et al.	375	149M	AY 2 9 ZD03
MN	CV	5	3	6	1	2	7	6	11/1994	Subramanian	375	₁₅₀ Techr	ology Center 2600
My	CW	5	3	6	5	5	8	5	11/1994	Puhl et al.	380	265	
MN	CX	5	6	5	4	9	8	0	08/1997	Latva-aho et al.	375	148	
MN	CY	5	8	7	2	8	1	0	02/1999	Phillips et al.	375	222	
Ma	CZ	5	8	7	5	4	0	0	02/1999	Madhavapeddy et al.	455	458	
MN	DA	5	8	8	1	3	6	8	03/1999	Grob et al.	455	69	

FOREIGN PATENT DOCUMENTS

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MN	DB	9	3	1	4	5	8	8	07/1993	WO				
MN	DC	9	4	2	8	6	4	0	12/1994	WO				
m	DD	2	2	8	0	5	7	5	02/1995	GB				

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

MN	DE	Pahlavan et al.; "Performance of adaptive matched filter receivers over fading multipath channels;" IEEE; vol. 38, no. 12; pgs. 2106-2113; December 1990.
MX	DF	Giannetti et al.; "Design of an all-digital receiver for narrowband continuous-phase asynchronous CDMA systems;" IEEE; vol. 3; pgs. 468-472; May 1993.
140	DG	Braun et al.; "An All-digital receiver for satellite audio broadcasting signals using trellis coded quasi- orthogonal code-division multiplexing," AEI; vol. 4, no. 1; pgs. 23-32; 1993.
ga	DH	Rick et al.; "Noncoherent parallel acquisition in CDMA spread spectrum systems;" IEEE; paragraph 1; May 1994.
MN	, DI	Bernasconi; "Receiver architectures for the down-link in a DS-CDMA mobile system;" IEEE; pgs. 51-55; September 1994.

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412	DJ	5	3	4	1	3	9	7	08/1994	Gudmundson	370	335		
nju	DK	5	6	2	7	8	5	5	05/1997	Davidovici	375	152		,
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Sheet _1_ of _1_ **FORM PTO-1449** ATTY, DOCKET NO. SERIAL NO. I-2-0091.6US 09/757,768 U.S. DEPARTMENT OF COMMERCE **APPLICANT** PATENT AND TRADEMARK OFFICE Lomp et al. INFORMATION DISCLOSURE **FILING DATE GROUP** STATEMENT BY APPLICANT January 10, 2001 2664 (Use several sheets if necessary) **U.S. PATENT DOCUMENTS** EXAMINER INITIAL FILING DATE IF DOCUMENT NUMBER DATE NAME CLASS **SUBCLASS** APPROPRIATE 5 DQ 0 5 6 0 9 10/1991 Gilhousen et al. 342 5 2 6 DR 1 6 9 2 06/1993 Ling 3 DS 5 2 2 06/1994 1 7 1 Yamaura et al. MN 5 DT 5 4 4 6 7 6 08/1995 Mallinckrodt 5 5 2 8 DU 6 2 06/1996 Kaku et al. MN 8 5 7 0 3 7 D۷ 8 02/1999 Huang et al. 370/209 MN hnology Center 2600 DW 5 8 8 0 5 03/1999 Huang et al. 1 6 MN DX 6 1 4 7 4 10/2000 1 3 Burns ML DY 6 5 4 9 5 6 5 04/2003 Buehrer et al. p_{M} FOREIGN PATENT DOCUMENTS TRANSLATION DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS YES NO OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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BN	ED	5	3	5	3	3	5	2	10/1994	Dent et al.	380	37				
BN	EE	5	3	6	5	5	4	4	11/1994	Schilling	370	342				
KN	EF	5	4	2	0	8	5	0	05/1995	Umeda et al.						
gu	EG	5	4	8	5	4	8	6	01/1996	Gilhousen et al.					•	
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MN	EJ	5	6	1	9	5	2	6	04/1997	Kim et al.	F	ÉB 2 7	200)4		
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FORM PTO-1449 ATTY. DOCKET NO. SERIAL NO. I-2-0091.6US 09/757,768 U.S. DEPARTMENT OF COMMERCE **APPLICANT** PATENT AND TRADEMARK OFFICE Lomp et al. INFORMATION DISCLOSURE **FILING DATE GROUP** STATEMENT BY APPLICANT January 10, 2001 (Use several sheets if necessary) **U.S. PATENT DOCUMENTS** EXAMINER INITIAL FILING DATE IF DOCUMENT NUMBER DATE NAME CLASS SUBCLASS FA 5,574,754 11/1996 Kurihara et al. FB 5,673,286 09/1997 Lomp FC 5,966,403 10/1999 Pon <u> MU</u> FD 6,272,168 08/2001 Lomp et al. 1411 JUN 1 0 2004 FE 6,381,264 04/2002 Lomp et al. MN Technology Center 2600 379/311 FF 6,434,124 08/2002 Rege 11/2003 FG 6,654,613 Maeng et al. MX FH 6,721,301 04/2004 ÝΝ Ozluturk et al. 342 370 FOREIGN PATENT DOCUMENTS TRANSLATION DOCUMENT NUMBER DATE COUNTRY CLASS SUBCLASS YES OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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